

# Grantee: Tennessee

## Grant: B-13-DS-47-0002

### April 1, 2019 thru June 30, 2019 Performance Report

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<b>Grant Number:</b> B-13-DS-47-0002	<b>Obligation Date:</b>	<b>Award Date:</b>
<b>Grantee Name:</b> Tennessee	<b>Contract End Date:</b>	<b>Review by HUD:</b> Reviewed and Approved
<b>Grant Award Amount:</b> \$44,502,374.00	<b>Grant Status:</b> Active	<b>QPR Contact:</b> No QPR Contact Found
<b>LOCCS Authorized Amount:</b> \$44,502,374.00	<b>Estimated PI/RL Funds:</b>	
<b>Total Budget:</b> \$44,502,374.00		

### Disasters:

#### Declaration Number

No Disasters Found

### Narratives

#### Executive Summary:

The third largest river in the world, the fabled Father of Waters, the mighty Mississippi River, fuels industry, recreation and tourism, creates a livelihood for thousands who live along or near its banks and has inspired countless writers and musicians. But it also wreaks havoc on those same lives and communities through flooding. It is West Tennessee's biggest asset and biggest challenge. The 2011 floods and severe storms in rural West Tennessee were no exception. Much of this flooding was in rural areas and had a significant impact on low-to moderate-income citizens. In response to the impacts caused by the historic floods, the State of Tennessee has developed a comprehensive approach, titled Rural by Nature, to address needs of rural Tennessee. The Rural by Nature application combines federal, state and local partners in a collaborative effort to create resilient rural communities in these often ignored areas. These projects not only proactively minimize loss from future flooding and related natural occurrences but will create communities that can successfully manage and recover from shocks and stressors while building their economy and their assets. Great attention is being given to developing plans that are replicable and can be used in other rural areas along all of our major rivers across the country, particularly as climate change increases the frequency and disruptive force of disasters. While they generally receive less attention in disaster planning, rural areas are the heartbeat of America. Rural areas represent 90% of America's land mass and are the heart of our food production. Rural communities formed the foundation upon which our country was built. They also contain some of our most vulnerable citizens and have high levels of poverty and unemployment. Rural children, in particular, have been disproportionately affected by the recent economic downturn. This is particularly significant since child poverty often has an impact that lasts throughout a lifetime. The target areas for Rural by Nature are no exception – they are extremely distressed and have economies that are built on agriculture and food production. Funding for the projects chosen for Rural by Nature will enable the state to proactively reduce flood losses that will inevitably occur; to preserve the natural environmental and water resources that make the communities what they are; reduce the impacts of flooding; promote economic development, tourism, agriculture and recreation; and strategically deploy available resources to make the most significant impact. The result will be economically viable communities that will be able to attract and support businesses, weather natural disasters (including floods and earthquakes) and prepare for the impacts of climate change. This requires a comprehensive planning process to ensure that the progress already made is leveraged to meet unmet needs while creating strong opportunities for recreation, tourism and agriculture, currently the mainstays of these communities. To create a comprehensive, regional program, the unmet needs are addressed by projects in two basic groups: infrastructure repairs and economic revitalization. Without resilient infrastructure repairs, the communities will continue to spend a disproportionate amount on making short-term repairs that do not offer additional protection from

#### Executive Summary:

uture disasters. Without the economic revitalization projects, the communities will not have an opportunity to build on their assets in a way that promotes resiliency and recovery. Although none of the NDR projects are housing activities, ECD is committed to affirmatively furthering fair housing throughout the implementation of all the NDR projects and the administration of the grant. ECD and its sub-grantees will conduct the NDR activities in accordance with the State's Analysis of Im

#### MID-URN Areas:

Eligible activity. Funds will be used solely for the necessary expenses related to disaster relief, recovery and resiliency. All activities proposed in Phase 2 are eligible according to Community Development Block Grant (CDBG) rules and regulations, state and federal laws, the Stafford Act, etc. Proposal incorporates resiliency. All activities proposed in Phase 2 have incorporated resiliency to future flooding, climate change, earthquakes and other potential disasters. Tennessee has developed a partnership including other state, federal and local departments, non-profits and faith-based organizations for this application that will continue to work together to determine how future projects can incorporate the themes of resiliency. National objective. With respect to activities expected to be assisted with CDBG-NDR funds, the Application has



been developed to give the maximum feasible priority to activities that will benefit low- and moderate-income (LMI) families. All projects meet a national objective. Overall benefit. The aggregate use of CDBG–NDR funds will principally benefit LMI families in a manner that ensures that at least 50 percent of the grant amount is expended for activities that benefit such persons, unless waived by Housing and Urban Development (HUD) based on a finding of compelling need. It is expected that well over 50 percent of funds will benefit LMI populations. Tie-back. Each target area and each project proposed in Phase 2 ties back to a disaster that occurred in an approved target area in 2011. One application per applicant. This is the only application that will be submitted by the State of Tennessee. Certifications. Tennessee Department of Economic and Community Development (TNECD) will comply with the certifications included in Attachment C and signed as a part of the electronic SF424. In Phase 1, The Rural by Nature project was composed of nine target areas in West and Middle Tennessee. During the development of the Phase 2 application, TNECD held multiple stakeholder meetings and consulted with professional engineers, educators, and other partners to determine the most affected areas and where the National Disaster Resilience Competition (NDRC) dollars could make the greatest impact. During these meetings it was determined that the focus for Phase 2 would be the 6 target areas in West Tennessee. Five of the target areas border the Mississippi River and the sixth has tributaries flowing to the Mississippi River; all are subject to regular flooding and experience other similar threats including the impacts of climate change and the risk of flooding and other damage from earthquakes and tornados. These are the most distressed and most impacted areas affected by the disasters that occurred in Tennessee in 2011 and early 2012. Below are the overviews of the target areas. Target Area 1 – Dyer County Eligible county: The eligible county is Dyer County. Most impacted and distressed target area: The target area census tracts are 9643, 9644, 9646 and 9648. MID URN Information: Impact – Infrastructure. The flooding in the City of Dyersburg caused damage to the sewer system in excess of \$4 million. Distress – Disaster impacted low- and moderate-income (LMI) households. The census tracts that make up the target area contain 51.25% LMI households. Disaster impacted an economically fragile area. Thrats in the target area is 9.45%, which is 152.4

### **MID-URN Areas:**

% of the national unemployment rate (Most Distressed Characteristics). Unmet recovery need – Infrastructure. At least \$4M in unmet infrastructure need that cannot be funded through other sources is documented in the target area. Narrative: The Forked Deer River runs through downtown Dyersburg to the Mississippi River and the wastewater treatment plant is located in this area. Dyersburg has revitalized their downtown over the last few years. By becoming a Main Street community, working with gra

### **Key Agencies, Partners, Positions, Personnel:**

#### Existing Management Structure

The Rural by Nature project will be led by TNECD, and Kent Archer, CDBG Director, will serve as the overall Program Manager. Joe Slaughter, Resilience Coordinator, will be the day-to-day contact for the projects. Brooxie and Kent currently manage all of the CDBG and CDBG-DR funds for the department; their staff will assist with the technical aspects of the projects. The Office of Community Programs is a part of the Rural Development division of TNECD. Other staff including regional staff working in the communities and other Rural Development staff will assist with the management of these projects.

While TNECD will manage the funding for the Rural by Nature project, the State has contracted with Stantec to assist in the overall Program Management and technical oversight tasks.

Stantec will provide management support to ensure resiliency and quality are adhered to within each activity. The Stantec Program Manager will be Steve Field, PE.

Each discipline has an assigned Subject Matter Expert (SME) who is licensed Professional Engineer (PE) and will oversee the activities that fall under their area of expertise. George Athanasakes will serve as the SME for Floodways and Trails. Paul Thomas will serve as SME for Wastewater. Amy Tolley will serve as SME for Social/Housing. Additionally, Marc Pearson, a Certified Floodplain Manager (CFM) will serve as SME for the Multi Hazard Mapping and Education. Susan Marlow will serve as Account Manager and ECD liaison to sub grantees. Cherie Akers will serve as SME for Planning.

Stantec will assist TNECD by utilizing an established Program Management framework to create cost containment and promote quality control throughout the entire Program. Stantec will employ the same framework for each of the Program activities presented in this application.

Project #1: Jackson Wastewater System Improvements - Jackson Energy Authority

Eddie O'Neill - JEA

JR Wauford & Company, Consulting Engineers, Inc. - Engineering Design  
Community Development Partners, LLC - Grant Administration

Project #2: Dyersburg Wastewater System Rehabilitation - City of Dyersburg

John Holder - Mayor, City of Dyersburg

Scott Ball - Construction Manager

Tiffany Heard - City Engineer

Community Development Partners, LLC - Grant Administration

Project #3: Henning Wastewater System Rehabilitation – Town of Henning

Marva Temple - Mayor, Town of Henning

A2H, Inc. - Engineering Design

Community Development Partners, LLC - Grant Administration

Project #4: Mississippi River Levee Pump Installation – West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Chief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #5: Dyersburg Wetland Creation and Recreation Facilities - City of Dyersburg

John Holder - Mayor, City of Dyersburg

Scott Ball - Construction Manager

Tiffany Heard - City Engineer

Community Development Partners, LLC - Grant Administration

Project #6: Forked Deer River Floodplain and Waterway Restoration - West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Ch

### **Key Agencies, Partners, Positions, Personnel:**

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Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #7: Jackson Flood Control - West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Chief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)



Project #8: Cold Creek Chute Restoration  
 David Salyers - Executive Director  
 David Blackwood - Chief Engineer  
 Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #9: Mississippi River Corridor Overlook – Lauderdale County  
 Maurice Gaines – Lauderdale County Mayor  
 A2H Inc. – Engineering Design  
 Community Development Partners, LLC - Grant Administration

Project #10: Hazard Mapping, Assessment, and Education - University of Memphis  
 Gary Lee Patterson - Director of Education & Outreach - Center of Earthquake Research & Information  
 Mark Abkowitz - Director of Vanderbilt Center for Environmental Management Studies - Vanderbilt University  
 Mary MacKinnon - Grant Writer - Central U.S. Earthquake Consortium  
 Kendra Abkowitz - Senior Policy Analyst - Office of Policy and Planning, TDEC

Overall	This Report Period	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$58,070,174.00
<b>Total Budget</b>	\$0.00	\$44,502,374.00
<b>Total Obligated</b>	\$2,457,558.13	\$11,315,992.35
<b>Total Funds Drawdown</b>	\$2,391,682.88	\$11,219,384.85
<b>Program Funds Drawdown</b>	\$2,391,682.88	\$11,219,384.85
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$7,219,719.04
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

## Progress Toward Required Numeric Targets

Requirement	Target	Actual
<b>Overall Benefit Percentage (Projected)</b>		100.00%
<b>Overall Benefit Percentage (Actual)</b>		100.00%
<b>Minimum Non-Federal Match</b>	\$0.00	\$0.00
<b>Limit on Public Services</b>	\$6,675,356.10	\$0.00
<b>Limit on Admin/Planning</b>	\$8,900,474.80	\$1,855,555.50
<b>Limit on Admin</b>	\$0.00	\$609,937.19
<b>Most Impacted and Distressed Threshold (Projected)</b>	\$0.00	\$0.00

## Overall Progress Narrative:

Each of the projects has shown progress during this quarter. A few of the activities are nearing construction completion and will move to metric monitoring and reporting. Other projects are moving toward construction.

## Project Summary

Project #, Project Title	This Report	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
LTC Project Tennessee, Long Term Commitments	\$0.00	\$0.00	\$0.00
NDR 01 JEA, Jackson Wastewater System Improvements	\$59,891.82	\$13,400,000.00	\$2,869,950.32



NDR 02 Dyersburg, Dyersburg Wastewater System	\$27,905.35	\$3,042,500.00	\$2,646,223.51
NDR 03 Henning, Henning Wastewater System	\$433,454.62	\$1,809,000.00	\$1,133,695.40
NDR 04 WTRBA, Mississippi River Levee Pump Installation	\$0.00	\$2,945,000.00	\$5,828.50
NDR 05 Dyersburg, Dyersburg Wetlands Creation and	\$1,609,859.02	\$4,619,100.00	\$2,100,823.62
NDR 06 WTRBA, Forked Deer River Floodplain and	\$0.00	\$5,660,000.00	\$263,387.00
NDR 07 WTRBA, Jackson Flood Control	\$0.00	\$5,860,000.00	\$878.50
NDR 08 WTRBA, Cold Creek Chute Restoration	\$24,250.00	\$185,000.00	\$26,166.50
NDR 09 Lauderdale County, Mississippi River Corridor	\$82,675.00	\$1,244,500.00	\$316,876.00
NDR 10 University of Memphis, Hazard Mapping,	\$122,563.00	\$3,576,731.00	\$1,245,618.31
NDR Administration, Administration	\$31,084.07	\$2,160,543.00	\$609,937.19
OV Project Tennessee, NDR Outcome Values	\$0.00	\$0.00	\$0.00
SL Project Tennessee, Supporting Leverage	\$0.00	\$0.00	\$0.00



# Activities

**Project # /**                      **NDR 01 JEA / Jackson Wastewater System Improvements**

**Grantee Activity Number:**                      **NDR 01 JEA**  
**Activity Title:**                                      **Jackson Wastewater System Improvements**

**Activity Category:**  
 Construction/reconstruction of water/sewer lines or systems  
**Project Number:**  
 NDR 01 JEA  
**Projected Start Date:**  
 12/27/2016  
**Benefit Type:**  
 Area ( )  
**National Objective:**  
 Low/Mod

**Activity Status:**  
 Under Way  
**Project Title:**  
 Jackson Wastewater System Improvements  
**Projected End Date:**  
 09/30/2022  
**Completed Activity Actual End Date:**  
  
**Responsible Organization:**  
 Jackson Energy Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$13,400,000.00
<b>Total Budget</b>	\$0.00	\$13,400,000.00
<b>Total Obligated</b>	\$59,891.82	\$2,869,950.32
<b>Total Funds Drawdown</b>	\$59,891.82	\$2,869,950.32
<b>Program Funds Drawdown</b>	\$59,891.82	\$2,869,950.32
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$2,810,355.50
Jackson Energy Authority	\$0.00	\$2,810,355.50
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

## Activity Description:

During the 2011 flood the Jackson Energy Authority Miller Avenue Wastewater Treatment Plant (MAWTP) exceeded its average daily flow of 9.3 million gallons per day (MGD) by approximately three and a half times. While many improvements were made, there are still unmet needs. This project includes three parts 1) influent structure replacement; 2) rehabilitation of the Riverside Interceptor, the primary method for collecting wastewater; and 3) redundancy in South Jackson water and sanitary sewer currently located on the bridge across the Forked Deer River where a failure would affect over 9,000 customers including most of the county's industrial facilities.

## Location Description:

Southern half of Madison County. Includes the following Census Tracts.  
 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14.01, 14.02, 17, 18 ,19

**Activity Progress Narrative:**

Phase I, which is the 54-Inch sewer rehabilitation, was completed in the Fall of 2018. Phase II (pump station rehabilitation) and Phase IV (water and sewer line crossings) on-site construction work has continued and several on-site interviews conducted. Continued review of the certified payrolls. Contracts were finalized for Phase III (MAWWTP improvements) and the Phase III Pre-Construction Conference was conducted on May 7, 2019. Construction is anticipated to start in July or August 2019. Construction on Phase IV (water line river crossings) began May 20, 2019. Design on Phase V (sewer interceptor replacement/rehab) continued and one easement was determined to be required. The easement package was prepared and delivered to JEA, who are working to secure the easement. On-site monitoring by ECD took place on April 9, 2019.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

**Other Funding Sources**

**Amount**

No Other Funding Sources Found  
 Total Other Funding Sources

**Project # / NDR 02 Dyersburg / Dyersburg Wastewater System**

<b>Grantee Activity Number:</b>	<b>NDR 02 Dyersburg</b>
<b>Activity Title:</b>	<b>Dyersburg Wastewater System Rehabilitation</b>

**Activity Category:**  
 Construction/reconstruction of water/sewer lines or systems

**Project Number:**  
 NDR 02 Dyersburg

**Projected Start Date:**  
 12/27/2016

**Benefit Type:**  
 Area ( )

**National Objective:**  
 Low/Mod

**Activity Status:**  
 Under Way

**Project Title:**  
 Dyersburg Wastewater System Rehabilitation

**Projected End Date:**  
 09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
 City of Dyersburg

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$3,042,500.00
<b>Total Budget</b>	\$0.00	\$3,042,500.00

<b>Total Obligated</b>	\$29,207.35	\$2,647,525.51
<b>Total Funds Drawdown</b>	\$27,905.35	\$2,646,223.51
<b>Program Funds Drawdown</b>	\$27,905.35	\$2,646,223.51
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$1,323,198.21
City of Dyersburg	\$0.00	\$1,323,198.21
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The Dyersburg Wastewater System Rehabilitation project strives to repair the gravity sewer lines and manholes in the area impacted by the 2011 flood event. The system will be made resistant to flooding by retrofitting the existing manholes with water tight lids and slip lining damaged pipe to prevent I/I. This area of the City, known as "South Town", is critical to the infrastructure in Dyersburg, because 90% of all sewer in Dyersburg must pass through this basin before being discharged into the WWTP. The flooding event caused an increase in I/I and SSOs due to damage and siltation of the line.

**Location Description:**

Dyer County, Census Tracts 9643, 9644, 9646, and 9648

**Activity Progress Narrative:**

Phase I - SSES (Investigation) Complete  
Phase II - Collection system rehab: Four contracts awarded and completed  
All construction activities were completed. The final pay estimate was submitted for the grit contractor. The final adjustment change order was submitted for the project. Submitted final construction payment and held public close-out meeting on June 19, 2019.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

<b>Match Sources</b>	<b>Amount</b>
City of Dyersburg	\$1,000,000.00
Subtotal Match Sources	
<b>Other Funding Sources</b>	<b>Amount</b>
No Other Funding Sources Found	
Total Other Funding Sources	



**Project # / NDR 03 Henning / Henning Wastewater System**

**Grantee Activity Number:** NDR 03 Henning  
**Activity Title:** Henning Wastewater System Rehabilitation

**Activity Category:**

Construction/reconstruction of water/sewer lines or systems

**Project Number:**

NDR 03 Henning

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

Henning Wastewater System Rehabilitation

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Town of Henning

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,809,000.00
<b>Total Budget</b>	\$0.00	\$1,809,000.00
<b>Total Obligated</b>	\$433,454.62	\$1,133,695.40
<b>Total Funds Drawdown</b>	\$433,454.62	\$1,133,695.40
<b>Program Funds Drawdown</b>	\$433,454.62	\$1,133,695.40
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$700,240.78
Town of Henning	\$0.00	\$700,240.78
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The sewer collection system in the Town of Henning continues to experience significant infiltration issues with the problem becoming more severe since the 2010 and 2011 flood events. The infiltration of stormwater into the wastewater collection system contributes to frequent overtopping of the municipal wastewater lagoon levee system. These events weakened the integrity of the levee structure and contributed to new emergency repair attempts. This project involves lining one of Henning's older lagoons with an HDPE liner, upgrading the outfall system, utilizing Cured-In-Place pipe repairs to rehabilitate the existing sewer lines in order to permanently fix the levee and reduce I/I, and replacing failing manhole covers with water-tight covers to reduce I/I.

**Location Description:**

The project will benefit the entire Town of Henning.

**Activity Progress Narrative:**

Phase I - Sewer System Assessment (SSES) / Sewer System Evaluation: Collection line and manhole repairs are complete. Phase II contracts:



Contract 1: Sewer Pipe Repairs - Completed smoke test and manhole inspection for potentially problematic areas of the system. Review of potential additional repairs on-going. A change order request is anticipated.  
 Contract 2: Sewer Lift Station Repair - The installation of the lift stations were completed and the lift stations and pump stations are being prepared for operation. Received ECD approval of Change Order 1.  
 Contract 3: Lagoon - Resumed work on design for lagoon repairs and discovered a compromised section of the levee that needs immediate attention. Design for the compromised section of the levee was completed. A meeting with the City of Henning was held to review the plans for the repairs. The final lagoon improvements will be completed in two phases: (1) levee restoration; (2) upgrades to the levee to the extent that funding allows.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

<b>Other Funding Sources</b>	<b>Amount</b>
No Other Funding Sources Found	
Total Other Funding Sources	

**Project # / NDR 04 WTRBA / Mississippi River Levee Pump Installation**

<b>Grantee Activity Number:</b>	<b>NDR 04 WTRBA</b>
<b>Activity Title:</b>	<b>Mississippi River Levee Pump Installation</b>

<p><b>Activity Category:</b> Construction/reconstruction of water/sewer lines or systems</p> <p><b>Project Number:</b> NDR 04 WTRBA</p> <p><b>Projected Start Date:</b> 12/27/2016</p> <p><b>Benefit Type:</b> Area ( )</p> <p><b>National Objective:</b> Low/Mod</p>	<p><b>Activity Status:</b> Under Way</p> <p><b>Project Title:</b> Mississippi River Levee Pump Installation</p> <p><b>Projected End Date:</b> 09/30/2022</p> <p><b>Completed Activity Actual End Date:</b></p> <p><b>Responsible Organization:</b> West Tennessee River Basin Authority</p>
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<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$2,945,000.00
<b>Total Budget</b>	\$0.00	\$2,945,000.00
<b>Total Obligated</b>	\$0.00	\$5,828.50

<b>Total Funds Drawdown</b>	\$0.00	\$5,828.50
<b>Program Funds Drawdown</b>	\$0.00	\$5,828.50
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$7,952.00
West Tennessee River Basin Authority	\$0.00	\$7,952.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Tiptonville is protected from flooding by the Mississippi River Levee, however during times of heavy rains the town still floods. Portable pumps are brought in regularly from outside sources to pump the flood waters. Installing permanent pumps will prevent flooding in the area. This would make the entire area more resilient and less prone to flooding, and would directly protect 21 homes and downtown Tiptonville.

**Location Description:**

The pump will be installed on the levee to the north of Tiptonville near the intersection of Tipton Street and Hays Street.

**Activity Progress Narrative:**

All permits have been secured. The need for two easements was identified: a permanent easement (The Curlins); and a temporary easement (Peacock). The temporary easement has been donated. The Curlin's have requested Just Compensation. Notice of Payment Parcel will be submitted to ECD for concurrence prior to issuance to Curlin's. An extension letter request is anticipated for the Plans and Specifications due to the delay in securing the easements.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

<b>Other Funding Sources</b>	<b>Amount</b>
No Other Funding Sources Found	
Total Other Funding Sources	

**Project # / NDR 05 Dyersburg / Dyersburg Wetlands Creation and**

**Grantee Activity Number:** NDR 05 Dyersburg  
**Activity Title:** Dyersburg Wetlands Creation and Recreation Facilit

**Activitiy Category:** Acquisition, construction, reconstruction of public facilities  
**Activity Status:** Under Way

**Project Number:**  
**Project Title:**

NDR 05 Dyersburg

Dyersburg Wetlands Creation and Recreation

**Projected Start Date:**

**Projected End Date:**

12/27/2016

09/30/2022

**Benefit Type:**

**Completed Activity Actual End Date:**

( )

**National Objective:**

**Responsible Organization:**

Low/Mod

City of Dyersburg

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$4,619,100.00
<b>Total Budget</b>	\$0.00	\$4,619,100.00
<b>Total Obligated</b>	\$1,696,930.77	\$2,187,895.37
<b>Total Funds Drawdown</b>	\$1,609,859.02	\$2,100,823.62
<b>Program Funds Drawdown</b>	\$1,609,859.02	\$2,100,823.62
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$490,964.60
City of Dyersburg	\$0.00	\$490,964.60
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The City of Dyersburg intends to implement a comprehensive plan to improve the quality of life for its citizens, targeting the LMI population in the area of South Town affected by the flood waters in 2011. Blighted and environmentally sensitive properties affected by the 2011 flood will be converted into wetlands, greenways, and stormwater management recreational facilities. This conversion will mitigate the impact of future flood events, improve the health and wellness of citizens, provide miles of greenways for regional ecotourism, and provide safe access for non-vehicular traffic to food, medical, municipal, and philanthropic services available in downtown Dyersburg. As part of this activity the City will convert land currently in floodplain to wetlands, develop recreational facilities, including basketball courts and a soccer complex that will also serve as land for floodwater retention, and the construction a police outpost to serve the neighborhood and the recreational facilities.

**Location Description:**

Dyer County Census Tracts 9643, 9644, 9646, 9648

**Activity Progress Narrative:**

The four phases to date are identified as:

1. Reagan Levee
2. Forked Deer River Park
3. Horner Road Bridge
4. Southtown Project



General:

Acquisition and relocation work continues. City is reviewing current conditions and ability to move mobile homes without major damages.ECD performed a desk review of the Reagan Levee payrolls.

Reagan Levee:

Construction continues. Asphalt was put down on May 19th, 2019.Contractor completed the shoulders with gravel and proceeded with cleanup. Construction is anticipated to be completed in July 2019.

Forked Deer River Park:

Revised plans and specs were approved by ECD on April 8, 2019. Addendum was approved April 30, 2019. Bids were opened May 8th, 2019. The bid award package was approved by ECD on May 21, 2019. The preconstruction conference was held on June 6, 2019 and construction began on June 10, 2019.

Horner Road Bridge:

Discussion with TDOT and the City continues regarding the possible deletion of the this phase from the project Southtown Project

The plans and specifications for this phase have been completed and being reviewed by the City.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of public facilities	0	0/2
# of Acres wetlands	0	0/12

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

**Match Sources**

	Amount
City of Dyersburg	\$1,000,000.00
Subtotal Match Sources	

**Other Funding Sources**

	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

## Project # / NDR 06 WTRBA / Forked Deer River Floodplain and

<b>Grantee Activity Number:</b>	<b>NDR 06 WTRBA</b>
<b>Activity Title:</b>	<b>Forked Deer River Floodplain and Waterway Restorat</b>

**Activitiy Category:**

Acquisition, construction,reconstruction of public facilities

**Project Number:**

NDR 06 WTRBA

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

**Activity Status:**

Under Way

**Project Title:**

Forked Deer River Floodplain and Waterway

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**



Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$5,660,000.00
<b>Total Budget</b>	\$0.00	\$5,660,000.00
<b>Total Obligated</b>	\$0.00	\$263,387.00
<b>Total Funds Drawdown</b>	\$0.00	\$263,387.00
<b>Program Funds Drawdown</b>	\$0.00	\$263,387.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$637.00
West Tennessee River Basin Authority	\$0.00	\$637.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This project will create more than 800 acres of floodplain to reduce flooding for the Dyer County target area. Additionally, this project will be developed to incorporate bike and hiking trails, boardwalks, waterfowl and wildlife viewing areas, educational kiosks, easy access fishing piers, canoe access and restroom facilities.

**Location Description:**

The project location is in the northwest corner of Madison County, but the project beneficiaries are located in the Dyer County target area.

**Activity Progress Narrative:**

The Environmental Review Record (ERR) and Request for Release of Funds and Certification (RROF) were submitted on May 15th, 2019 and approved by ECD on June 4, h 2019. The Final Notice of Removal of Contract Conditions was submitted by ECD on June 4, 2019. The construction documents and project manual were submitted to the West Tennessee River Basin for review on May 23rd, 2019. Plans and Specifications were revised and submitted to STREAM for review on June 12th, 2019

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

Match Sources	Amount
Subtotal Match Sources	



Subtotal Match Sources

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

**Project # / NDR 07 WTRBA / Jackson Flood Control**

**Grantee Activity Number: NDR 07 WTRBA**  
**Activity Title: Jackson Flood Control**

**Activity Category:**  
 Dike/dam/stream-river bank repairs

**Activity Status:**  
 Under Way

**Project Number:**  
 NDR 07 WTRBA

**Project Title:**  
 Jackson Flood Control

**Projected Start Date:**  
 12/27/2016

**Projected End Date:**  
 09/30/2022

**Benefit Type:**  
 Area ( )

**Completed Activity Actual End Date:**

**National Objective:**  
 Low/Mod

**Responsible Organization:**  
 West Tennessee River Basin Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$5,860,000.00
<b>Total Budget</b>	\$0.00	\$5,860,000.00
<b>Total Obligated</b>	\$0.00	\$878.50
<b>Total Funds Drawdown</b>	\$0.00	\$878.50
<b>Program Funds Drawdown</b>	\$0.00	\$878.50
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$878.50
West Tennessee River Basin Authority	\$0.00	\$878.50
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Flooding is prevalent in urban parts of Jackson. Large unsightly drainage areas will be converted to storm water detention and infiltration basins that mimic the function of large attractive "rain gardens" and virtually eliminate localized flooding along these streams. The structures will incorporate several features such as eradication of an invasive species, ground water infiltration, wetland creation, establishment of hardwood forests, water quality improvements, wildlife viewing opportunities, and community gardens as well as trails and greenways that connect residential and business districts. Flood risk reduction, protection of infrastructure



and an improvement in quality of life for vulnerable populations are the key benefits of this project.

**Location Description:**

Southern+half+of+Madison+County.+Includes+the+following+Census+Tracts.

1,+2,+3,+4,+5,+6,+7,+8,+9,+10,+11,+13,+14.01,+14.02,+17,+18+,19

**Activity Progress Narrative:**

This project has the following Phases:  
Jackson / Bemis Greenway  
Anderson-Sandy Basin Flood Control Structures  
Dyer-Middlefork Basin Flood Control Structures  
The ERR and RROF were submitted on April 4, 2019 and approved by ECD on June 23, 2019. The Final Notice of Removal of Contract Conditions was submitted by ECD on June 23, 2019. The ERR for Anderson - Sandy Detention Structures was submitted on April 22, 2019 and is in final review by ECD. The Dyer-Middlefork Basin Flood Control Structures ERR is undergoing final completion.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

<b>Match Sources</b>	<b>Amount</b>
West Tennessee River Basin Authority	\$900,000.00
Subtotal Match Sources	
<b>Other Funding Sources</b>	<b>Amount</b>
No Other Funding Sources Found	
Total Other Funding Sources	

**Project # / NDR 08 WTRBA / Cold Creek Chute Restoration**

<b>Grantee Activity Number:</b>	<b>NDR 08 WTRBA</b>
<b>Activity Title:</b>	<b>Cold Creek Chute Restoration</b>

**Activity Category:**  
Dike/dam/stream-river bank repairs

**Project Number:**  
NDR 08 WTRBA

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
Low/Mod

**Activity Status:**  
Under Way

**Project Title:**  
Cold Creek Chute Restoration

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$185,000.00
Total Budget	\$0.00	\$185,000.00
Total Obligated	\$24,250.00	\$26,166.50
Total Funds Drawdown	\$24,250.00	\$26,166.50
Program Funds Drawdown	\$24,250.00	\$26,166.50
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$1,916.50
West Tennessee River Basin Authority	\$0.00	\$1,916.50
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

### Activity Description:

Cold Creek Chute is a Mississippi River Oxbow Lake that is a key component of the rural economy in western Lauderdale County. This lake is used for recreation, including fishing and hunting. A rock spillway that controls summer levels failed as a result of the 2011 flood. Temporary repairs have been made but were not successful. Water levels below normal pool elevation prevent the public from accessing the lake. The proposed project will restore use of this resource and, when combined with the recreational benefits of the other projects in this county, will increase recreation and tourism opportunity.

### Location Description:

Lauderdale County Census Tracts 501, 502, 503, 505.04, 505.05, 505.06, and 506

### Activity Progress Narrative:

Project design has been reviewed by West Tennessee River Basin and is 75% complete. An extension to July 31, 2019 was requested and approved for submittal of plans and specifications due to flooding at the project site that is prohibiting geotechnical work.

### Accomplishments Performance Measures

**No Accomplishments Performance Measures**

### Beneficiaries Performance Measures

**No Beneficiaries Performance Measures found.**

### Activity Locations

**No Activity Locations found.**

### Other Funding Sources Budgeted - Detail

**No Other Match Funding Sources Found**

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

**Project # / NDR 09 Lauderdale County / Mississippi River Corridor**

**Grantee Activity Number: NDR 09 Lauderdale County**  
**Activity Title: Mississippi River Corridor Overlook**

**Activity Category:**  
Acquisition, construction, reconstruction of public facilities

**Activity Status:**  
Under Way

**Project Number:**  
NDR 09 Lauderdale County

**Project Title:**  
Mississippi River Corridor Overlook

**Projected Start Date:**  
12/27/2016

**Projected End Date:**  
09/30/2022

**Benefit Type:**  
Area ( )

**Completed Activity Actual End Date:**

**National Objective:**  
Low/Mod

**Responsible Organization:**  
Lauderdale County TN

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$1,244,500.00
<b>Total Budget</b>	\$0.00	\$1,244,500.00
<b>Total Obligated</b>	\$82,675.00	\$316,876.00
<b>Total Funds Drawdown</b>	\$82,675.00	\$316,876.00
<b>Program Funds Drawdown</b>	\$82,675.00	\$316,876.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$234,201.00
Lauderdale County TN	\$0.00	\$234,201.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

A conceptual plan was developed for Lauderdale County to help eliminate erosion along the bluff areas of the Mississippi River and provide tourism and recreation benefit to the area. This project involves the construction of one overlook and formalizing the conceptual plan already created into a master plan with a resilient engineering design.

**Location Description:**

Lauderdale County Census Tracts 501, 502, 503, 505.04, 505.05, 505.06, and 506



**Activity Progress Narrative:**

Project activities include phase 1) Development of a Tourism Plan, and phase 2) construction of scenic overlook facilities. The design plans for the overlook was completed. The tourism master plan was completed and adopted by the County in the 4thquarter 2018. The offer to purchase and sales contract documents were issued to complete the land acquisition process with the City of Ripley. Plans and specifications were submitted for the overlook construction. However, there is a delay in approving plans and specifications due to the need for an ERR. The final design location is slightly outside of the ERR coverage area for the overlook site. The overlook is still positioned within the tract of land purchased by the county.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

<b>Other Funding Sources</b>	<b>Amount</b>
No Other Funding Sources Found	
Total Other Funding Sources	

**Project # / NDR 10 University of Memphis / Hazard Mapping, Education,**

<b>Grantee Activity Number:</b>	<b>NDR 10 University of Memphis</b>
<b>Activity Title:</b>	<b>Hazard Mapping, Education, and Assessment</b>

<p><b>Activity Category:</b> Planning</p> <p><b>Project Number:</b> NDR 10 University of Memphis</p> <p><b>Projected Start Date:</b> 12/27/2016</p> <p><b>Benefit Type:</b> Area ( )</p> <p><b>National Objective:</b> NA</p>	<p><b>Activity Status:</b> Under Way</p> <p><b>Project Title:</b> Hazard Mapping, Education, and Assessment</p> <p><b>Projected End Date:</b> 09/30/2022</p> <p><b>Completed Activity Actual End Date:</b></p> <p><b>Responsible Organization:</b> University of Memphis</p>
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<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$3,576,731.00
<b>Total Budget</b>	\$0.00	\$3,576,731.00

<b>Total Obligated</b>	\$123,430.00	\$1,246,485.31
<b>Total Funds Drawdown</b>	\$122,563.00	\$1,245,618.31
<b>Program Funds Drawdown</b>	\$122,563.00	\$1,245,618.31
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$1,123,055.31
University of Memphis	\$0.00	\$1,123,055.31
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

### Activity Description:

This project represents a multidisciplinary partnership between the University of Memphis, Vanderbilt University, and TDEC to develop, analyze, store and freely distribute data that can be used to plan for and create resilient strategies for some of the most vulnerable populations in the Rural by Nature study area. This data, developed through a series of studies, will help fill a large data gap in West Tennessee that is preventing many communities from becoming more resilient. The project includes the following actions to enhance resilience in the NDR target areas.

- Mississippi River Supply Chain Risk Evaluation
- Structural Earthquake Risk Assessment for Schools
- Agricultural Flood Loss Mapping
- School Curriculum Development
- Flood Impact Assessment
- Web System Development
- Earthquake Hazards Assessment

### Location Description:

This will cover all NDR target area locations.

### Activity Progress Narrative:

54% of the project is complete and work continues on all sub-activities.

### Accomplishments Performance Measures

**No Accomplishments Performance Measures**

### Beneficiaries Performance Measures

**No Beneficiaries Performance Measures found.**

### Activity Locations

**No Activity Locations found.**

### Other Funding Sources Budgeted - Detail

**No Other Match Funding Sources Found**

#### Other Funding Sources

**Amount**

No Other Funding Sources Found

Total Other Funding Sources



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**Project # / NDR Administration / Administration****Grantee Activity Number: NDR 12 ECD Admin****Activity Title: ECD Administration****Activity Category:**

Administration

**Activity Status:**

Under Way

**Project Number:**

NDR Administration

**Project Title:**

Administration

**Projected Start Date:**

12/27/2016

**Projected End Date:**

09/30/2022

**Benefit Type:**

( )

**Completed Activity Actual End Date:****National Objective:**

NA

**Responsible Organization:**

State of Tennessee

**Overall****Apr 1 thru Jun 30, 2019****To Date**

<b>Total Projected Budget from All Sources</b>	N/A	\$385,543.00
<b>Total Budget</b>	\$0.00	\$385,543.00
<b>Total Obligated</b>	\$5,841.02	\$123,624.39
<b>Total Funds Drawdown</b>	\$5,084.27	\$122,867.64
<b>Program Funds Drawdown</b>	\$5,084.27	\$122,867.64
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$34,517.64
State of Tennessee	\$0.00	\$34,517.64
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Administration for all NDR activities

**Location Description:**

All NDR target areas in the counties of Dyer, Lake, Lauderdale, and Madison.

**Activity Progress Narrative:**

Administration activities including ERR review and approval, plans and specs review and approval, monitoring, and general project management continue by TNECD.

## Accomplishments Performance Measures

No Accomplishments Performance Measures

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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**Grantee Activity Number:** NDR 13 Stantec Admin

**Activity Title:** Stantec Administration

**Activity Category:**

Administration

**Project Number:**

NDR Administration

**Projected Start Date:**

12/27/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

Administration

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Stantec Consulting Services Inc.

**Overall**

**Total Projected Budget from All Sources**

**Apr 1 thru Jun 30, 2019**

N/A

**To Date**

\$1,775,000.00

**Total Budget**

\$0.00

\$1,775,000.00

**Total Obligated**

\$1,877.55

\$493,679.55

**Total Funds Drawdown**

\$25,999.80

\$487,069.55

**Program Funds Drawdown**

\$25,999.80

\$487,069.55

**Program Income Drawdown**

\$0.00

\$0.00

**Program Income Received**

\$0.00

\$0.00

**Total Funds Expended**

\$0.00

\$491,802.00

Stantec Consulting Services Inc.

\$0.00

\$491,802.00

**Most Impacted and Distressed Expended**

\$0.00

\$0.00

**Match Contributed**

\$0.00

\$0.00

**Activity Description:**

Administration of NDR activities

**Location Description:**

All NDR target areas

**Activity Progress Narrative:**

TNECD's contractor, Stantec, continues to assist with project administration including review of plans and specs and assistance with completion of the ERRs.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

## Project # / OV Project Tennessee / NDR Outcome Values

**Grantee Activity Number:** OV 01 JEA (ECO)  
**Activity Title:** Jackson Wastewater System Improvements

**Activity Category:**

NDR - Economic Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Jackson Energy Authority

Overall	Apr 1 thru Jun 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00



Match Contributed

\$0.00

\$0.00

**Activity Description:**

Currently average annual energy consumption is 2.97 million, a 10% reduction is projected based upon preliminary engineer assessments. JEA will collect the data.

The average number of service disruption hours is currently being calculated by JEA, there is expected to be a 5% decrease based upon preliminary engineer assessments. JEA will collect the data.

The average emergency maintenance costs are currently being calculated by JEA, there is expected to be a 5% decrease based upon preliminary engineer assessments. JEA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

We are still working with HUD and the subrecipients to establish a revised set of metrics and baseline data. For this reason we currently don't data to report for the reduction in emergency maintenance costs and reduction in disruption hours. No disruption hours were reported for this quarter. \$168,753 in maintenance costs were reported, which is nearly half of the previous quarter.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% reduction in emergency	0	8/10
% decrease in disruption hours	0	0/5
% reduction in energy costs	4	101/10

**Beneficiaries Performance Measures**

No Beneficiaries Performance Measures found.

**Activity Locations**

No Activity Locations found.

**Other Funding Sources Budgeted - Detail**

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



<b>Grantee Activity Number:</b>	<b>OV 01 JEA (ENV)</b>
<b>Activity Title:</b>	<b>Jackson Wastewater System Improvements</b>

**Activity Category:**

NDR - Environmental Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Jackson Energy Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 8000 LF of sewer repaired/replaced based on preliminary assessments and budget projections by JEA. JEA will collect the data.  
 There is an average of 1.55 SSO events in the JEA system annually, based upon engineering reports a 5% reduction is expected because of the system rehabilitation. JEA will collect the data.  
 The average I and I during storm events is being calculated by JEA by different level of events, an overall decrease of 5% is expected based upon preliminary engineer reports. JEA will collect the data.  
 The average flow is 3100 annually based upon JEA data, a decrease of 5% is projected based on preliminary engineer reports. JEA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

There are 5 construction phases:  
 Phase I - construction is complete (54-Inch interceptor rehabilitation).  
 Phase II, pumping station rehabilitation - construction is well underway.  
 Phase III, the Miller Avenue Wastewater Treatment Plant improvement portion of the project - the pre-



construction conference was held on May 7, 2019.  
 Phase IV began construction in May 2019 (two water line river crossings).  
 Phase V - Engineering design continues for the sewer interceptor replacement/rehabilitation portion.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of water/sewer	16093	18754/2500
% reduction in flow (# gpm/cfm)	0	0/5
% reduction of	0	79/5
% reduction of sanitary sewer	300	2500/5

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



**Grantee Activity Number:** OV 01 JEA (RES)  
**Activity Title:** Jackson Wastewater System Improvements

**Activity Category:**  
 NDR - Resilience Value  
**Project Number:**  
 OV Project Tennessee  
**Projected Start Date:**  
 12/27/2016  
**Benefit Type:**  
 ( )  
**National Objective:**  
 NA

**Activity Status:**  
 Under Way  
**Project Title:**  
 NDR Outcome Values  
**Projected End Date:**  
 09/30/2022  
**Completed Activity Actual End Date:**  
  
**Responsible Organization:**  
 Jackson Energy Authority

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 7500 water/sewer line constructed based upon preliminary engineer reports and budget projections. JEA will collect the data.  
 Current levels of service loss are being calculated by JEA, based upon engineer reports a 10% decrease is projected because of system rehab. JEA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

We are still working with HUD and the subrecipients to establish a revised set of metrics and baseline data. For this reason we currently don't data to report for the % reduction in loss of service.  
 Construction is complete for Phase I, the 54-Inch interceptor rehabilitation.  
 Construction has begun for Phase II, the pumping station rehabilitation.  
 A pre-construction conference for Phase III, the Miller Avenue Wastewater Treatment Plant improvement portion of the project, was held on May 7, 2019.  
 Phase IV began construction in May 2019 (two water line river crossings). Engineering design continues for Phase V, the sewer interceptor replacement & rehabilitation.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear of sewer/water line	0	0/6800
% reduction in loss of service	0	0/8

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---



**Grantee Activity Number:** OV 02 Dyersburg (ECO)  
**Activity Title:** Dyersburg Wastewater System Rehabilitation

**Activity Category:**

NDR - Economic Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

City of Dyersburg

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

There is currently an average of \$26,685.71 in annual emergency maintenance costs to in the Dyersburg waste water system, the projected % decrease is pending a system inventor (part of the project). The data was collected from the city of Dyersburg's records; the city will continue to collect data.

**Activity Progress Narrative:**

We are still working with HUD and the subrecipients to establish a revised set of metrics and baseline data. For this reason we currently don't data to report for the % reduction in emergency maintenance costs. Phase I - SSES Investigation - is complete and a close-out meeting was held on June 19, 2019.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% reduction in emergency	0	0/2500

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

**Grantee Activity Number:** OV 02 Dyersburg (ENV)  
**Activity Title:** Dyersburg Wastewater System Rehabilitation

**Activity Category:**  
 NDR - Environmental Value

**Project Number:**  
 OV Project Tennessee

**Projected Start Date:**  
 12/27/2016

**Benefit Type:**  
 Area ( )

**National Objective:**  
 NA

**Activity Status:**  
 Under Way

**Project Title:**  
 NDR Outcome Values

**Projected End Date:**  
 09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
 City of Dyersburg

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There are currently 0 new manhole covers, there will be 50 upon completion of the project. This data was collected from budget projections from the city of Dyersburg, who will continue to collect data. The city of Dyersburg projects that there will be 2 SSO events during the life of the project. This data was collected by the city engineers of Dyersburg, who will continue to gather the data. The current average annual flow is 1160, the projected decrease during a flood event will be calculated after a system inventory. This data was collected by the city of Dyersburg, who will continue collection.

**Location Description:**

**Activity Progress Narrative:**

Phase I is complete and a close-out meeting was held on June 19, 2019. The # of manhole covers replaced was verified for this report.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of manhole covers replaced	65	135/50
# of sanitary sewer overflows	18	32/2
% reduction in flow (# gpm/cfm)	100	100/20

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---



**Grantee Activity Number:** OV 02 Dyersburg (RES)  
**Activity Title:** Dyersburg Wastewater System Rehabilitation

**Activity Category:**

NDR - Resilience Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

City of Dyersburg

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There is currently 0 LF of sewer line examined, there will be 43,000 LF inventoried at the completion of the project as a result of a camera verification. This data was collected by the city of Dyersburg and they will continue collection. There is not currently any sewer system plans in place, there will be 1 at the completion of the project. This data was collected by the city of Dyersburg and they will continue collection. It is projected that, as a result of the system inventory and budgeting, there will be 8,600 LF of sewer line repaired/replace at the completion of the project. This data is based on budget projections and was collected by the city of Dyersburg who will continue collection.

**Location Description:**

**Activity Progress Narrative:**

Construction for this activity is complete. Any remaining funds will be requested to be used on another activity.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of plans adopted	1	1/1
# of linear feet of water/sewer	0	6789/8600
# of liner feet examined	0	42576/43000

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 03 Henning (ENV)</b>
<b>Activity Title:</b>	<b>Henning Wastewater System Rehabilitation</b>

**Activity Category:**  
NDR - Environmental Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
Town of Henning

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Town of Henning	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 40 manhole covers replaced based upon budget projections. Henning will collect the data.  
 There will be 10,000 LF of water/sewer line repaired/replaced based upon budget projections. Henning will collect the data.  
 There are projected to be 8 SSOs during the duration of the contract. The town of Henning will collect the data.  
 Current levels of I and I are being calculated by the town of Henning, a 20% decrease is expected to occur during storm events based upon preliminary engineer reports. The town of Henning will collect the data.  
 Current levels of flow at the treatment plant is being calculated by the town of Henning, a 20% decrease is expected to occur during storm events based upon preliminary engineer reports. The town of Henning will collect the data.  
 Current levels of affluent discharge is being calculated by the town of Henning, a 20% decrease is expected to occur based upon preliminary engineer reports. The town of Henning will collect the data.

**Location Description:**

**Activity Progress Narrative:**



Phase 1 - Sewer System Assessment - is complete.  
 Phase 2 - Design is ongoing. An unforeseen lagoon breach has delayed the final design.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of water/sewer	0	3794/10000
# of manhole covers replaced	0	78/40
# of sanitary sewer overflows	0	15/4
% decrease in affluent	0	195/10
% reduction in flow (# gpm/cfm)	0	0/10
% reduction of	0	0/10

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



<b>Grantee Activity Number:</b>	<b>OV 03 Henning (RES)</b>
<b>Activity Title:</b>	<b>Henning Wastewater System Rehabilitation</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Town of Henning

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Town of Henning	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Based upon preliminary engineer reports and budget projections, there will be 3 pump stations repaired/replaced. The town of Henning will collect the data.  
 Based upon preliminary engineer reports and budget projections, there will be 1 containment system constructed. The town of Henning will collect the data.

**Location Description:**

**Activity Progress Narrative:**

We continue to work with HUD and the subrecipients to establish a revised set of metrics and baseline data. Design is ongoing although construction on Phase II has not yet begun.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of containment systems	0	0/1
# of pump stations	0	0/3

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 04 WTRBA (ECO)</b>
<b>Activity Title:</b>	<b>Mississippi River Levee Pump Installation</b>

**Activity Category:**

NDR - Economic Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The average emergency man hours during a flood event will be modeled by WTRBA at the beginning of the project. There is projected to be a 25% decrease based upon previous WTRBA projects. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

We are still working with HUD and the subrecipients to establish a revised set of metrics and baseline data. For this reason we currently don't data to report for % decrease in emergency man-hours during a flood event. Construction has not yet started on this project but is expected to proceed quickly once the easements have been secured.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in emergency man-	0	0/25

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>OV 04 WTRBA (ENV)</b>
<b>Activity Title:</b>	<b>Mississippi River Levee Pump Installation</b>

**Activity Category:**  
NDR - Environmental Value

**Activity Status:**  
Under Way

**Project Number:**  
OV Project Tennessee

**Project Title:**  
NDR Outcome Values

**Projected Start Date:**  
12/27/2016

**Projected End Date:**  
09/30/2022

**Benefit Type:**  
Area ( )

**Completed Activity Actual End Date:**

**National Objective:**  
NA

**Responsible Organization:**  
West Tennessee River Basin Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

As there is currently no pumping capacity, the projected increase will be 100%. This is based off of budget projections and previous WTRBA projects. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

On July 3, 2019 the contractor requested a 45-day extension of the deadline to submit plans and specifications for this project, due to the time it has been taking to secure the easements.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b>% Increase in pumping capacity</b>	0	0/100



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>OV 04 WTRBA (RES)</b>
<b>Activity Title:</b>	<b>Mississippi River Levee Pump Installation</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The average crop land protected during a flood event will be determined based upon modeling to be done at the beginning of the project, there is projected to be a 10% increase, based upon previous projects completed by WTRBA. WTRBA will collect the data.

The average area inundation will be determined based upon modeling to be done at the beginning of the project, there is projected to be a 10% decrease, based upon previous projects completed by WTRBA. WTRBA will collect the data.

The average water elevation will be determined based upon modeling to be done at the beginning of the project, there is projected to be a 5% decrease, based upon previous projects completed by WTRBA. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

Acquisition and relocation is ongoing. Construction has not yet begun on the Forked Deer Wetlands Restoration project. We are still working with HUD and the subrecipients to establish a revised set of metrics and baseline data. For this reason we currently don't data to report for the % decrease in area inundated by flooding, % decrease



water surface elevation level during a flood with a qualifying event, or % increase in acres of cropland protected from flooding.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in area inundated	0	0/10
% decrease water surface	0	0/5
% increase in acres of cropland	0	0/10

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---



<b>Grantee Activity Number:</b>	<b>OV 05 Dyersburg (ECO)</b>
<b>Activity Title:</b>	<b>Dyersburg Wetland and Parks Creation</b>

**Activity Category:**  
NDR - Economic Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
City of Dyersburg

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Historical there have been 27,881 LF of road closures during flood events, a 12% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

Historical there have been 12 buildings damaged during flood events, a 1% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

**Location Description:**

**Activity Progress Narrative:**

We are still working with HUD and the subrecipients to establish a revised set of metrics and baseline data. For this reason we currently don't data to report for the % decrease in road closures in target area during a flood event or % of buildings protected/undamaged during a flood event.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in road closures in	0	4/12
% of buildings	8	11/5

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---

<b>Grantee Activity Number:</b>	<b>OV 05 Dyersburg (ENV)</b>
<b>Activity Title:</b>	<b>Dyersburg Wetland and Parks Creation</b>

**Activity Category:**  
NDR - Environmental Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
City of Dyersburg

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

Currently there are 39 acres of green space in the project area, the increase in green space is pending acquisition and is currently unknown due to unknown costs. The data was derived from city records, and will be collected by the city of Dyersburg.

**Activity Progress Narrative:**

We are still working with HUD and the subrecipients to establish a revised set of metrics and baseline data. For this reason we currently don't data to report for the % increase in number of acres converted to open space.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
<b>% Increase in number of acres</b>	0	0/39

### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 05 Dyersburg (RES)</b>
<b>Activity Title:</b>	<b>Dyersburg Wetland and Parks Creation</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Historical there have been 27,881 LF of road closures during flood events, a 12% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

Historical there have been 12 buildings damaged during flood events, a 1% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

There are currently 0 acres of wetland in the project area, there will be 12 acres upon project completion. The data was derived from budget projections and will be collected by the city of Dyersburg.

**Location Description:**

**Activity Progress Narrative:**

Work on this project is progressing. The city will begin to monitor agreed upon metrics.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	0/12
% decrease in road closures in	17	17/12
% of buildings	13	13/1

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---

<b>Grantee Activity Number:</b>	<b>OV 05 Dyersburg (SOC)</b>
<b>Activity Title:</b>	<b>Dyersburg Wetland and Parks Creation</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

City of Dyersburg

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

There is currently 39 acres of open space within the project area, the increase in open space is pending acquisition and is currently unknown due to unknown costs. The data was derived from city records, and will be collected by the city of Dyersburg.

There are currently 0 locally sponsored events in the project area, there will be 10 by the completion of the project. The data was derived from conversation with local officials and budget proposals; it will be gathered by the city of Dyersburg.

There are currently 0 recreation facilities in the project area, there will be 2 upon completion of the project. The data was derived from conversation with local officials and budget proposals; it will be gathered by the city of Dyersburg.

**Activity Progress Narrative:**

A groundbreaking ceremony was held for the Dyersburg Forked Deer Riverpark portion of this project on June 11, 2019, which was covered by the local newspaper, the State Gazette, and posted to the Chamber of Commerce Facebook page at: <https://www.facebook.com/dyerchamber>.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of locally-sponsored events	0	0/5
# of new recreational facilities	0	0/2

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>OV 06 WTRBA (ENV)</b>
<b>Activity Title:</b>	<b>Forked Deer River Floodplain and Waterway Restorat</b>

**Activity Category:**  
NDR - Environmental Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 2500 LF of stream restored based upon previous WTRBA projects and budget projections. This data will be collected by WTRBA.  
 The current level of nutrient loading will be calculated at the beginning of the project, based upon previous projects by WTRBA there is projected to be a 5% reduction at project completion. WTRBA will collect the data.  
 The functional value of the wetlands will be determined upon completion of restoration, the current value is 0 as they do not exist. WTRBA will collect this data.  
 WTRBA is currently calculating the water levels, based upon previous projects a 5% reduction is projected. WTRBA will collect this data.

**Location Description:**

**Activity Progress Narrative:**

The Final Notice of Removal of Contract Conditions (FNORCC) was approved on June 4, 2019. Construction has not yet begun on this project.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# linear feet of streams	0	0/2500
% increase in functional	0	0/10
% reduction in nutrient loading	0	0/5
% reduction of water surface	0	0/5

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>OV 06 WTRBA (ESOC)</b>
<b>Activity Title:</b>	<b>Forked Deer River Floodplain and Waterway Restorat</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

It is projected that there will be 5 school trips to the wetlands upon completion of the project based upon previous and similar projects by WTRBA. WTRBA will collect the data.  
 The increase to the yet to be restored wetlands will be 100%. This is based upon previous and similar projects by WTRBA. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

Construction has not yet begun on this project, so we have been unable to determine the # of school field trips or % increase in # of visitors. We continue to work with HUD and the subrecipients to establish a revised set of metrics and baseline data.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of school field trips	0	0/5
% Increase in # of visitors	0	0/100

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

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<b>Grantee Activity Number:</b>	<b>OV 06 WTRBA (RES)</b>
<b>Activity Title:</b>	<b>Forked Deer River Floodplain and Waterway Restorat</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 800 acres of wetland restored/created during the duration of the project, this is based upon budget projections. WTRBA will collect the data.

There will be 2 acres of brownfields converted to wetlands during the duration of the project, this is based upon budget projections. WTRBA will collect the data.

The projected useage of migratory birds, in the yet to be built wetlands, will be calculated by WTRBA during the early stages of the project. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

Construction has not yet begun on this project. We continue to work with HUD and the subrecipients to establish a revised set of metrics and baseline data.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	0/800
# of brownfield acres converted	0	0/2
% increase in use by migratory	0	6/25

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---



<b>Grantee Activity Number:</b>	<b>OV 07 WTRBA (ECO)</b>
<b>Activity Title:</b>	<b>Jackson Flood Control</b>

**Activity Category:**

NDR - Economic Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The current level of road closures is being calculated by the city of Jackson, based upon previous projects completed by WTRBA there is expected to be a 10% decrease in such events. WTRBA and the city of Jackson will collect the data.

**Location Description:**

**Activity Progress Narrative:**

We are still working with HUD and the subrecipients to establish a revised set of metrics and baseline data. For this reason we currently don't have data to report for the % decrease in road closures in target area during a flood event.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in road closures in	0	0/10

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

**Grantee Activity Number:** OV 07 WTRBA (ENV)

**Activity Title:** Jackson Flood Control

**Activity Category:**

NDR - Environmental Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

**Overall**

	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

The level of nutrient loading will be assessed at the beginning of the project, based upon similar projects completed by WTRBA, there is expected to be a 10% reduction. WTRBA will collect the data.  
There will be 10 acres of native vegetation planted during the course of the projected, this is based off of budget projections. WTRBA will collect the data.

**Activity Progress Narrative:**

Final Notice of Removal of Contract Conditions (FNORCC) was approved on June 23, 2019. Construction has not yet begun on this project.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of native vegetation	0	0/10
% reduction in nutrient loading	0	0/10

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 07 WTRBA (RES)</b>
<b>Activity Title:</b>	<b>Jackson Flood Control</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The current level of ground water infiltration will be assessed at the beginning of the project, based upon similar projects by WTRBA, there is expected to be a 5% increase in this rate. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

Constuction has not yet begun on this project.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b>% Increase in groundwater</b>	0	0/5



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>OV 07 WTRBA (SOC)</b>
<b>Activity Title:</b>	<b>Jackson Flood Control</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 1 water control structure repaired/replaced, this projection is based on budget projections and need. The data was collected by WTRBA, who will continue to collect it.

Trail utilization, on the trail that is to be built as a part of the project, will increase over 100%. This projection is based upon previous projects WTRBA has completed. WTRBA has, and will continue, to collect the data.

There is currently 0 LF of trail in the project area, there will be 2000 LF of trail based off of budget projections and engineer assessments. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

Construction has not yet begun on this project. We continue to work with HUD and the subrecipients to establish a revised set of metrics and baseline data.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear of trails constructed	0	0/2000
# of water control structures	0	0/1
% increase in trail utilization	0	0/100

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>OV 08 WTRBA (ENV)</b>
<b>Activity Title:</b>	<b>Cold Creek Chute Restoration</b>

**Activity Category:**  
NDR - Environmental Value

**Activity Status:**  
Under Way

**Project Number:**  
OV Project Tennessee

**Project Title:**  
NDR Outcome Values

**Projected Start Date:**  
12/27/2016

**Projected End Date:**  
09/30/2022

**Benefit Type:**  
Area ( )

**Completed Activity Actual End Date:**

**National Objective:**  
NA

**Responsible Organization:**  
West Tennessee River Basin Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The current number of average fish kill events is being generated by a state agency, it is projected that, through restoration efforts, there will be a 25% reduction. This is based off of similar projects undertaken by WTRBA.

**Location Description:**

**Activity Progress Narrative:**

Project is completing plans and specifications and is nearing construction.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b>% reduction of fish kill events</b>	0	0/25



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>OV 08 WTRBA (RES)</b>
<b>Activity Title:</b>	<b>Cold Creek Chute Restoration</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

**Activity Progress Narrative:**

Project is completing plans and specs and nearing construction.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**



## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 08 WTRBA (SOC)</b>
<b>Activity Title:</b>	<b>Cold Creek Chute Restoration</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

It is projected, based upon budget projections, that 1 water control structure will be rehabilitated. This data was collected by the WTRBA, who will continue to collect the data.

The average number of inaccessible days is being calculated by a state agency, it is projected, based upon similar projects by WTRBA, that there will be a 25% reduction in inaccessibility. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

Project is completing plans and specs and nearing construction.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
<b># of water control structures</b>	0	0/1



**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 09 Lauderdale (ECO)</b>
<b>Activity Title:</b>	<b>Mississippi River Corridor Outlook</b>

**Activity Category:**  
NDR - Economic Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
Lauderdale County TN

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Lauderdale County TN	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There are currently 0 tourism plans in the project area, there will be 1 plan as a result of our actions. The data was derived from the county government.  
 There are currently 0 visitors to the to be built senic overlook, there will be a 5% increase in visitors to the county after construction. The data was derived from estimates based upon road traffic projections.

**Location Description:**

**Activity Progress Narrative:**

An ERR addendum is in process, which will delay the plans & specifications approval by 30-45 days.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
<b># of tourism plans adopted</b>	0	1/1



**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---

<b>Grantee Activity Number:</b>	<b>OV 09 Lauderdale (RES)</b>
<b>Activity Title:</b>	<b>Mississippi River Corridor Outlook</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
Lauderdale County TN

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Lauderdale County TN	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There are currently 0 low-impact/maintenance components in the to be constructed scenic overlook, there will be 12 upon completion. The data was derived from preliminary engineer assessments.

**Location Description:**

**Activity Progress Narrative:**

Construction has not yet begun on this project.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b># of low-impact/maintenance</b>	0	0/9



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 09 Lauderdale (SOC)</b>
<b>Activity Title:</b>	<b>Mississippi River Corridor Outlook</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Lauderdale County TN

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Lauderdale County TN	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There are currently 0 tourism plans in the project area, there will be 1 upon completion. The data was derived from conversations with the local county government.

There are currently 0 school trips to the yet to be constructed scenic overlook, there will be 40 upon completion. The data was derived from conversations with the local county government.

There are currently 0 special events at the yet to be constructed scenic overlook, there will be 6 upon completion. The data was derived from conversations with the local county government.

**Location Description:**

**Activity Progress Narrative:**

Construction has not yet begun, so we have been unable to measure the initial metrics. We continue to work with HUD and the subrecipients to establish a revised set of metrics and baseline data.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of school field trips	0	0/5
# of special events held	0	0/6
# of tourism plans adopted	0	1/1

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 10 UofM (ENV)</b>
<b>Activity Title:</b>	<b>Hazard Mapping, Assessment and Education</b>

**Activity Category:**  
NDR - Environmental Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
University of Memphis

<b>Overall</b>	<b>Apr 1 thru Jun 30, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

Currently 0% of the project area is evaluated/mapped with enhanced data, 100% will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

**Activity Progress Narrative:**

Sub-Activity 1 - Flood Impact Assessment - is approximately 85% complete.  
 Sub-Activity 2 - Flood Modeling - The University of Memphis presented a poster at the ASCE-EWRI World Environmental and Water Resources Congress (May 19-23, 2019) in Pittsburgh, Pennsylvania.  
 Sub-Activity 4 - Mississippi River Supply Chain Management - Project subcontract is in final development.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% of project area	80	215/100

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>OV 10 UofM (RES)</b>
<b>Activity Title:</b>	<b>Hazard Mapping, Assessment and Education</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

University of Memphis

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Currently 0 acres of the project area are evaluated/mapped with improved data, 300000 acres will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data. Currently 0% of the project area is evaluated/mapped with enhanced data, 100% will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

**Location Description:**

**Activity Progress Narrative:**

Sub-Activity 1 - Flood Impact Assessment - is approximately 85% complete.  
 Sub-Activity 2 - Flood Modeling - The University of Memphis presented a poster at the ASCE-EWRI World Environmental and Water Resources Congress (May 19-23, 2019) in Pittsburgh, Pennsylvania.  
 Sub-Activity 3 - The initial Dyer County seismic and liquefaction hazard maps have been completed, except the uplands liquefaction hazard map where we expect little liquefaction hazard.  
 Sub-Activity 7 - Interactive Hazards Database is approximately 24% complete.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres with improved	55	165/300000
% of project area	40	133/100

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

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<b>Grantee Activity Number:</b>	<b>OV 10 UofM (SOC)</b>
<b>Activity Title:</b>	<b>Hazard Mapping, Assessment and Education</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

University of Memphis

Overall	Apr 1 thru Jun 30, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Currently 0 public meetings have been held, 8 will be held upon completion of the project. The data was derived from academic research and budget projections; the University of Memphis will be collecting the data.

Currently the yet to be built website has 0 hits, it will have 10,000 upon completion of the project. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

Currently the yet to be built website has 0 document downloads, it will have 100 upon completion of the project. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

The current SOVI score will be calculated during the initial stages of the project, a 3% increase is projected based upon academic research. The University of Memphis will be collecting the data.

Currently 0 recommendations have been implemented, 3 are projected to be implemented during the life of the project. The data is based upon interactions with local government and academic research; the University of Memphis will be collecting the data.

Currently 0 resilience planning documents have been utilized, 5 are expected to be so by the completion of the project. The data is based off of academic research and conversations with local governments; the data will be collected by the University of Memphis.

There are currently 0 data products being used in school curriculums, 3 are projected to be used upon completion of the project. The data is based off of academic and educational research; the University of Memphis will collect the data.



## Location Description:

## Activity Progress Narrative:

Sub-Activity 5 - Risk Assessment for Lake County Schools- Project subcontract is in final development.  
Sub-Activity 6 - Risk curriculum for High School Students is approximately 25% complete.  
Sub-Activity 7 - Interactive Hazards Database is approximately 24% complete.

## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Website visits	0	0/550
# of data products used in	0	0/3
# of public education meetings	3	6/3
# of resilience planning	0	90/5
# of resilience planning	1	1/3
# of website document	0	80/100
% improved Social Vulnerability	0	0/3

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	